

Product datasheet for **MR220453**

Ms4a10 (NM_023529) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Ms4a10 (NM_023529) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Ms4a10
 Synonyms: 2010001N17Rik
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR220453 representing NM_023529
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGGCCAAGCTCCACAGCGGTTCCCGGCAGTGTTACTGGAGAAGTCTCACGATGGCAGAACCTAG
 GACCTGCCAGCCTGCACAGAAAGTAGCCAGCCCAAACCTGGTTCAGATGGGCACCTTGAGAAAGC
 CCTGGAGGGAAGTGACCTTCTACAGAAGTTGGGTGGCTTTCACATCGCCATTGCTTTGCACACTTGGCC
 TTTGGTGGCTACTTGATCTCCACAGTCAAGAATCTGCACCTGGTGGTGTGAAGTGTGGTATCCACTCT
 GGGGAAGTGTCTCTTTTCTCGTTGCAGGATGGCGGCCATGACAACAGTGACATTCCTAAGACCTCTCT
 GAAGGTTCTCTGTGTGATAGCCAACGTTATCAGCTTGTCTGCGCACTGGCCGGCTCTTTGTCTATTGCC
 AAGGACCTCTTCCGGAGGGTCTTTTCCATGGCCAATCTGGAGACCATACCCTGAACCCACAACCTACA
 TCCAAAGGCTAGAGCTGACCCTGTTCTGCTTACCTTCTGGAGATCTTCTGTGGGGTCCACAGCCAT
 CACAGCTATAGGATGAAACGCTGCAAGCAGAGGACAAGGATGACACCCCTTTCGTTCTGACACACCT
 ATGGAAGTAAAGGCTATCGCTGGGGCCACCACCATCTATAAAGATGTGGCCAAGGACACTCCTCCT
 CTGATACTGGCAGAGCCTTGGCCACCAGCTCTGGACTGCTGTGGCTCTGACTCCTTCCATCAAGCTCT
 GCTTACACGGGCCAAGGACCTTGAGAAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR220453 representing NM_023529
Red=Cloning site Green=Tags(s)

MAGQAPTAVPGSVTGEVSRWQNLGPAQPAQKVAQPQNLVPDGHLEKALEGSDLLQKLGGFHIAIAFAHLA
 FGGYL ISTVKNLHLVVLKWCWYPLWGTVSFLVAGMAAMTTVFPKTSKLVLCVIANVISLFCALAGFFVIA
 KDLFLEGPPFPWIWRPYPEPTTYIQRLELTLFCFTFLEIFLSGSTAITAYRMKRLQAEDKDDTPFVPDTP
 MELKGLSLGPPPSYKDVAQGHSSSDTGRALATSSGLLLASDSFHQALLHTGPRTLK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9024_b11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_023529

ORF Size: 801 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_023529.3](#)

RefSeq Size: 1038 bp

RefSeq ORF: 804 bp

Locus ID: 69826

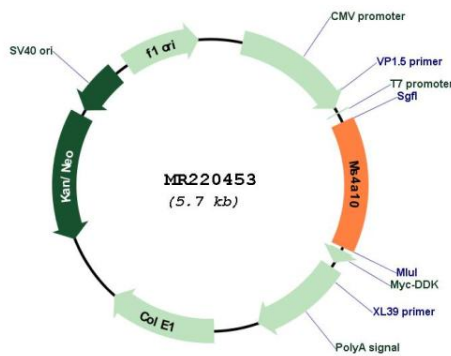
UniProt ID: [Q99N03](#)

Cytogenetics: 19 A

MW: 29.4 kDa

Gene Summary: May be involved in signal transduction as a component of a multimeric receptor complex. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR220453